

CLAIMS

1. A roll of packaging material comprising:
a wound strip of packaging material for use in packaging
5 a product; and

a recording medium provided on said wound strip of
packaging material, and readably recording packaging related
information.

10 2. The roll of packaging material according to claim
1, wherein said packaging related information includes a
packaging condition for packaging the product using said
strip of packaging material.

15 3. The roll of packaging material according to claim
1, wherein said packaging related information includes
information related to a material of said strip of packaging
material.

20 4. The roll of packaging material according to claim
1, wherein said packaging related information includes
information related to the fabrication of said strip of
packaging material.

25 5. The roll of packaging material according to claim

1, wherein said packaging related information includes a packaging material identifier for identifying said strip of packaging material.

5 6. The roll of packaging material according to claim 1, wherein said packaging related information includes a product identifier for identifying said product to be packaged.

10 7. The roll of packaging material according to claim 1, wherein said recording medium includes a non-contact recording medium readable in a non-contact fashion.

 8. The roll of packaging material according to claim
15 1, wherein said recording medium includes a contact recording medium readable in a contact fashion.

 9. The roll of packaging material according to claim
1, wherein said wound strip of packaging material has a hollow
20 core,

said recording medium being provided near the hollow core of said strip of packaging material.

 10. The roll of packaging material according to claim
25 1, wherein said recording medium is provided at an end of or

near an end of the outermost periphery of said wound strip of packaging material.

11. The roll of packaging material according to claim
5 1, wherein said recording medium is provided on a sheet-like member that affixes an end of the outermost periphery of said wound strip of packaging material.

12. A roll of packaging material comprising:
10 a wound strip of packaging material for use in packaging a product; and
an identification medium provided on said wound strip of packaging material for identifying packaging related information.

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13. The roll of packaging material according to claim 12, wherein said identification medium is a metal representing said packaging related information on the basis of a state of the metal contained in said roll of packaging
20 material.

14. A packaging machine for packaging a product using a roll of packaging material comprising a recording medium that readably records packaging related information,
25 the packaging machine comprising:

a reading device that reads the packaging related information recorded in said recording medium; and

a packaging unit that packages the product using said roll of packaging material based on the packaging related
5 information read by said reading device.

15. The packaging machine according to claim 14,
wherein

said packaging related information includes a packaging
10 condition for packaging the product,

said reading device reads the packaging condition recorded in said recording medium for packaging the product,
and

said packaging unit packages the product according to
15 the packaging condition read by said reading device.

16. The packaging machine according to claim 14,
wherein

said packaging related information includes a packaging
20 material identifier for identifying said roll of packaging material,

the packaging machine further comprising a storage device that stores beforehand other packaging related information for each packaging material identifier,

25 said reading device reading the packaging material

identifier recorded in said recording medium,

said packaging unit selecting the other packaging
related information stored beforehand in said storage device
corresponding to the packaging material identifier read by
5 said reading device to package the product.

17. The packaging machine according to claim 14,
wherein

said packaging related information includes a product
10 identifier for identifying a product to be packaged,

the packaging machine further comprising a storage
device that stores beforehand other packaging related
information for each product identifier,

said reading device reading the product identifier
15 recorded in said recording medium,

said packaging unit selecting the other packaging
related information stored beforehand in said storage device
corresponding to the product identifier read by said reading
device to package the product.

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18. The packaging machine according to claim 14,
wherein said reading device includes a non-contact reading
device capable of reading contents of said recording medium
in a non-contact fashion.

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19. The packaging machine according to claim 14,
wherein said reading device includes a contact reading device
capable of reading contents of said recording medium in a
contact fashion.

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20. A packaging machine for packaging a product using
a roll of packaging material comprising an identification
medium for identifying packaging related information, the
packaging machine comprising:

10 a reading device that reads the packaging related
information from said identification medium; and

a packaging unit that packages the product using said
roll of packaging material based on the packaging related
information read by said reading device.

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21. A product handling system comprising:

a packaging machine that packages a product using a roll
of packaging material having a recording medium that readably
records a product identifier for identifying the product to
20 be packaged;

a handling device that operates together with said
packaging machine to handle the product;

an operating condition recording device that associates
beforehand product identifiers with operating conditions of
25 said handling device for recording; and

a communication device,

said packaging machine comprising:

a reading device that reads a product identifier stored
in said recording medium;

5 a storage device that stores beforehand packaging
related information for each product identifier; and

a packaging unit that selects the packaging related
information stored beforehand in said storage device
corresponding to the product identifier read by said reading

10 device to package the product,

said communication device selecting an operating
condition recorded in said recording medium corresponding to
the product identifier read by said reading device to supply
the selected operating condition to said handling device,

15 said handling device operating based on the operating
condition supplied from said communication device.

22. The product handling system according to claim 21,
wherein

20 said handling device supplies said packaging machine
with a history of operations based on said operating condition
as history information,

said packaging machine making said recording medium
record said history information.

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23. A product handling system comprising:

a packaging machine that packages a product using a roll of packaging material having an identification medium for identifying a product identifier of a product to be packaged;

5 a handling device that operates together with said packaging machine to handle the product;

an operating condition recording device that associates beforehand product identifiers with operating conditions of said handling device for recording; and

10 a communication device,

said packaging machine comprising:

a reading device that reads a product identifier from said identification medium;

15 a storage device that stores beforehand packaging related information for each product identifier; and

a packaging unit that selects the packaging related information stored beforehand in said storage device based on the product identifier read by said reading device to package the product,

20 said communication device selecting the operating condition recorded in said identification medium corresponding to the product identifier read by said reading device to supply the selected operating condition to said handling device,

25 said handling device operating based on the operating

condition supplied from said communication device.